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REPLACEMENT SHEET

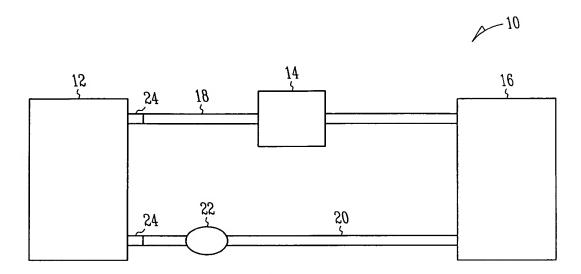


FIG. 1

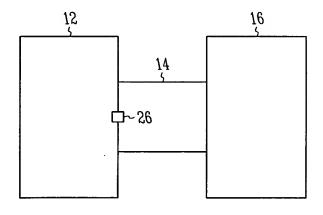
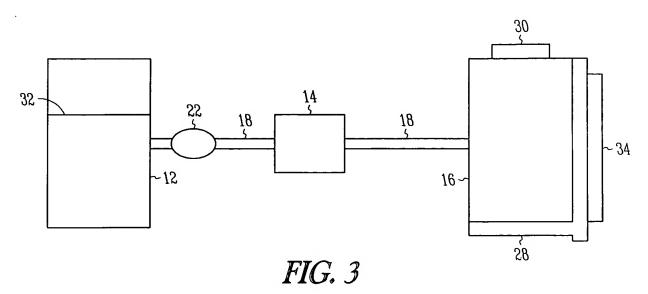


FIG. 2

TITLE: ELECTRICAL POWER GENERATOR
INVENTOR'S NAME: THOMAS M. REZACHEK, ET AL.
ERIAL NO.: 10/780.827 DOCKET NO.: H0004291.6526

SERIAL NO.: 10/780,827 DOCKET NO.: H0004291.65262

REPLACEMENT SHEET



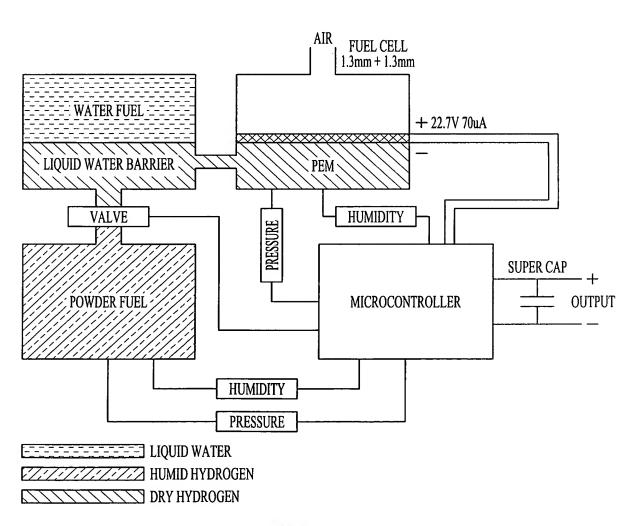
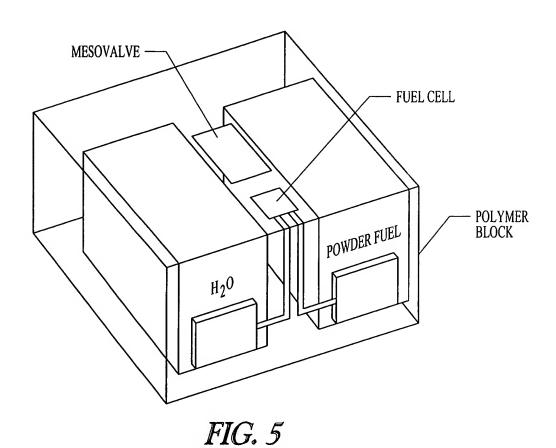


FIG. 4

REPLACEMENT SHEET



WATER CHARGING
TENSILE
MEMBRANE

I ml WATER

POLYMER SUBSTRATE

ASIC CONTROL
CHANNELS

MICRODISPENSED
MEMS
FUEL CELL

MEMS
FUEL CELL

POWER
OUTPUT

ASIC CONTROL
CHIP

FIG. 6

TITLE: ELECTRICAL POWER GENERATOR
INVENTOR'S NAME: THOMAS M. REZACHEK, ET AL.
SERIAL NO.: 10/780,827 DOCKET NO.: H0004291.65262

REPLACEMENT SHEET

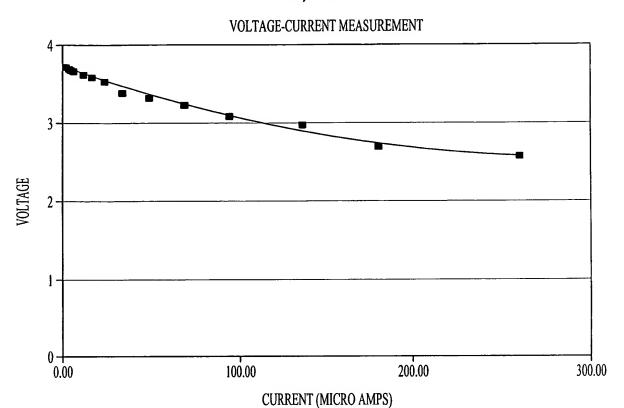
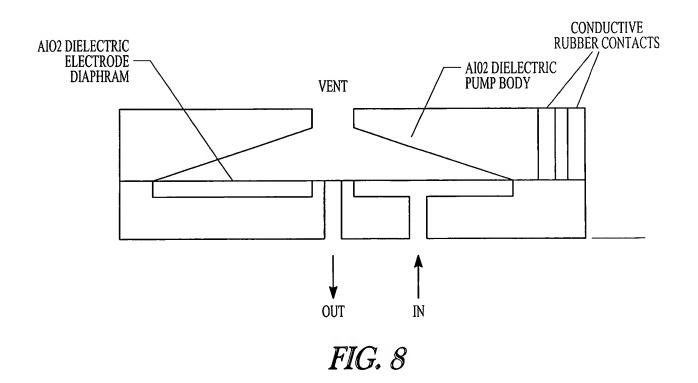


FIG. 7



TITLE: ELECTRICAL POWER GENERATOR
INVENTOR'S NAME: THOMAS M. REZACHEK, ET AL.
SERIAL NO.: 10/780,827 DOCKET NO.: H0004291.65262

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REPLACEMENT SHEET

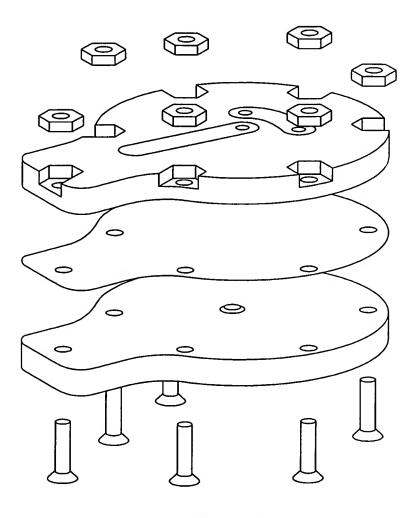


FIG. 9

REPLACEMENT SHEET

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DOUBLE POLISHED SI WAFER WITH THERMAL	OXIDE AND LPCVD NITRIDE SUITABLE
FOR CREATING THROUGH TH	IE WAFER ETCH HOLES

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	•						
WWW.	***************************************	***************************************	***************************************	***********	***********	*************	****

FIG. 10A

STRIP OFF NITRIDE AND OXIDE FROM FRONT OF WAFER, GROW THIN THERMAL OXIDE AND BRIDGE DIELECTRIC (NITRIDE)

<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>
***************************************

FIG. 10B

DEPOSIT AND PATTERN LOWER ELECTRODE, SUCH AS TiW/Au OR Cr/Au

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FIG. 10C

REPLACEMENT SHEET

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DEPOSIT AND PATTERN LOWER ELECTRODE, SUCH AS TiW/Au OR Cr/Au

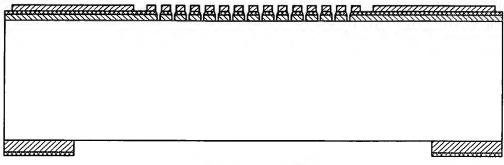
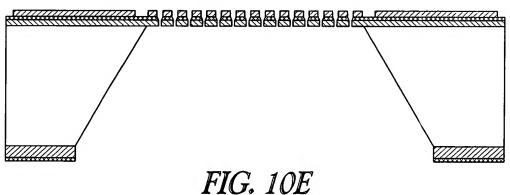


FIG. 10D

## ETCH FROM BACKSIDE TO RELEASE DIAPHRAGMS



APPLY CATALYTIC PASTE BY "DOCTOR BLADING"

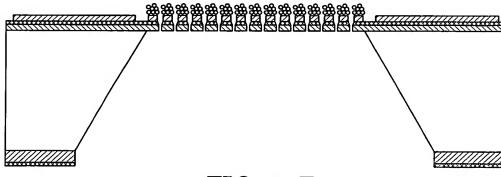
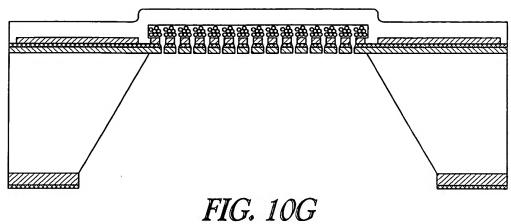


FIG. 10F

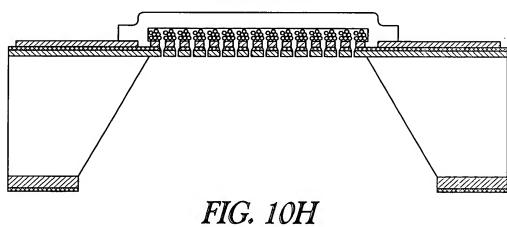
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REPLACEMENT SHEET

## APPLY PEM LAYER SUCH AS BY SPINNING



## PATTERN PEM LAYER





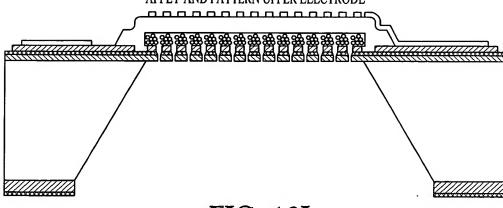


FIG. 10I

10/780,827 DOCKET NO.: H0004291.65262 REPLACEMENT SHEET

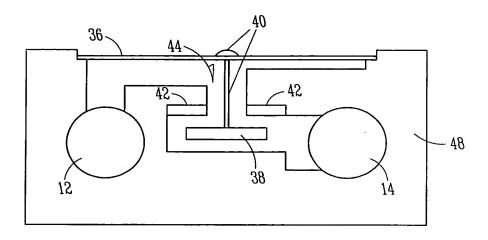


FIG. 11

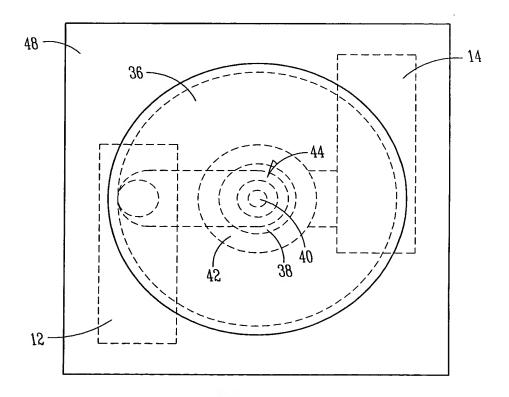


FIG. 12

TITLE: ELECTRICAL POWER GENERATOR
INVENTOR'S NAME: THOMAS M. REZACHEK, ET AL.
SERIAL NO.: 10/780,827 DOCKET NO.: H0004291.65262

REPLACEMENT SHEET

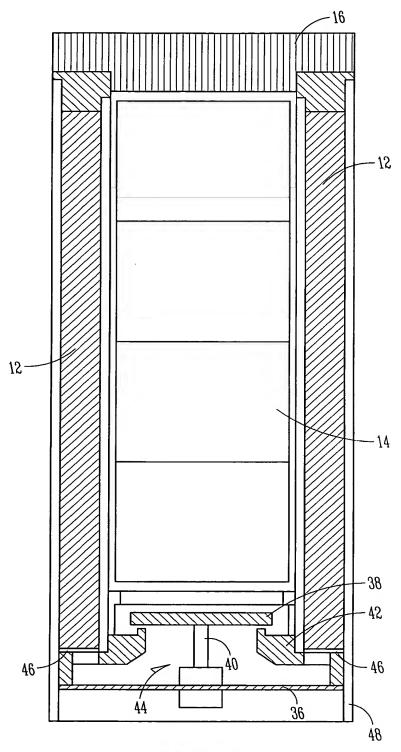


FIG. 13